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THE EFFECT OF VARIOUS COMMINUTION PROCEDURES ON THE FLOTATION OF SULFIDE ORES

Abstract: *In the flotation process inadequate attention is given to the effect which different comminution procedures may have on the floatability of the ore. Modern concentrators make use of a wide range of comminution devices and sometimes dry milling is used instead of wet milling. All of these factors can produce particles with different flotation characteristics. The DO and pH levels in the mill also play a role in affecting the floatability of the ore. This paper presents results of a set of investigations into the effect of various comminution procedures and conditions on the flotation of base metal sulphide ores.*

Key Words: *Comminution, Flotation, Sulphides*

EFEKTIVNOST RAZLIČITIH PROCEDURA USITNJAVANJA NA FLOTABILNOST SULFIDNIH RUDA

Abstract: *U procesu flotacije adekvatna pažnja se ne pridaje efektu koji različite procedure usitnjavanja mogu imati na flotabilnost rude. Moderni koncentratori koriste veliki broj mašina različitog koncepta usitnjavanja, a u nekim slučajevima bolja koncentracija se dobiva suhim u odnosu na mokro mljevenje. Koncept mljevenja utiče na proizvodnju čestica sa različitim flotabilnim svojstvima. DO i PH nivoi mlina takođe utiču na flotabilnost rude. Ovaj rad prezentuje rezultate niza proučavanja efekata različitih procedura usitnjavanja i uvjeta na flotabilnost metala iz sulfidnih ruda.*

Key Words: *usitnjavanje, flotacija, sulfidi*

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